

Shi-hong Yang

List of Publications by Year in descending order

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62
papers

1,797
citations

304743

22
h-index

302126

39
g-index

62
all docs

62
docs citations

62
times ranked

1584
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia volatilization losses from a rice paddy with different irrigation and nitrogen managements. <i>Agricultural Water Management</i> , 2012, 104, 184-192.	5.6	187
2	Nitrogen and phosphorus leaching losses from paddy fields with different water and nitrogen managements. <i>Paddy and Water Environment</i> , 2011, 9, 333-342.	1.8	153
3	Seasonal variations of CH ₄ and N ₂ O emissions in response to water management of paddy fields located in Southeast China. <i>Chemosphere</i> , 2012, 89, 884-892.	8.2	146
4	Methane and nitrous oxide emissions from paddy field as affected by water-saving irrigation. <i>Physics and Chemistry of the Earth</i> , 2012, 53-54, 30-37.	2.9	98
5	Biochar improved rice yield and mitigated CH ₄ and N ₂ O emissions from paddy field under controlled irrigation in the Taihu Lake Region of China. <i>Atmospheric Environment</i> , 2019, 200, 69-77.	4.1	87
6	Effects of water saving irrigation and controlled release nitrogen fertilizer managements on nitrogen losses from paddy fields. <i>Paddy and Water Environment</i> , 2015, 13, 71-80.	1.8	60
7	Effects of Biochar Application on Soil Organic Carbon Composition and Enzyme Activity in Paddy Soil under Water-Saving Irrigation. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 333.	2.6	45
8	Biochar as a tool to reduce environmental impacts of nitrogen loss in water-saving irrigation paddy field. <i>Journal of Cleaner Production</i> , 2021, 290, 125811.	9.3	43
9	Modeling rice development and field water balance using AquaCrop model under drying-wetting cycle condition in eastern China. <i>Agricultural Water Management</i> , 2019, 213, 289-297.	5.6	42
10	Biochar improved soil health and mitigated greenhouse gas emission from controlled irrigation paddy field: Insights into microbial diversity. <i>Journal of Cleaner Production</i> , 2021, 318, 128595.	9.3	42
11	Modeling rice evapotranspiration under water-saving irrigation by calibrating canopy resistance model parameters in the Penman-Monteith equation. <i>Agricultural Water Management</i> , 2017, 182, 55-66.	5.6	39
12	Nitrogen Loss from Paddy Field with Different Water and Nitrogen Managements in Taihu Lake Region of China. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 2393-2407.	1.4	38
13	Field experiments on greenhouse gas emissions and nitrogen and phosphorus losses from rice paddy with efficient irrigation and drainage management. <i>Science China Technological Sciences</i> , 2011, 54, 1581-1587.	4.0	36
14	Effects of soil heat storage and phase shift correction on energy balance closure of paddy fields. <i>Atmosfera</i> , 2017, 30, 39-52.	0.8	34
15	Performance evaluation of irrigation projects: Theories, methods, and techniques. <i>Agricultural Water Management</i> , 2018, 203, 87-96.	5.6	34
16	Antibiotic resistance genes attenuation in anaerobic microorganisms during iron uptake from zero valent iron: An iron-dependent form of homeostasis and roles as regulators. <i>Water Research</i> , 2021, 195, 116979.	11.3	34
17	Effect of controlled irrigation and drainage on nitrogen leaching losses from paddy fields. <i>Paddy and Water Environment</i> , 2015, 13, 303-312.	1.8	33
18	Effect of Biochar Amendment on Methane Emissions from Paddy Field under Water-Saving Irrigation. <i>Sustainability</i> , 2018, 10, 1371.	3.2	33

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19	Controlled irrigation mitigates the annual integrative global warming potential of methane and nitrous oxide from the rice-winter wheat rotation systems in Southeast China. <i>Ecological Engineering</i> , 2016, 86, 239-246.	3.6	29
20	Effects of Biochar Addition on Rice Growth and Yield under Water-Saving Irrigation. <i>Water</i> (Switzerland), 2021, 13, 209.	2.7	28
21	Spatial and temporal distribution characteristics of reference evapotranspiration trends in Karst area: a case study in Guizhou Province, China. <i>Meteorology and Atmospheric Physics</i> , 2016, 128, 677-688.	2.0	25
22	Variations of carbon dioxide exchange in paddy field ecosystem under water-saving irrigation in Southeast China. <i>Agricultural Water Management</i> , 2016, 166, 42-52.	5.6	24
23	Controlled release urea improves rice production and reduces environmental pollution: a research based on meta-analysis and machine learning. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3587-3599.	5.3	24
24	Attenuation effects of iron on dissemination of antibiotic resistance genes in anaerobic bioreactor: Evolution of quorum sensing, quorum quenching and dynamics of community composition. <i>Journal of Hazardous Materials</i> , 2021, 416, 126136.	12.4	23
25	Coupling machine learning and weather forecast to predict farmland flood disaster: A case study in Yangtze River basin. <i>Environmental Modelling and Software</i> , 2022, 155, 105436.	4.5	23
26	Effects of Biochar Amendment on CO ₂ Emissions from Paddy Fields under Water-Saving Irrigation. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2580.	2.6	22
27	Effect of Irrigation and Fertilizer Management on Rice Yield and Nitrogen Loss: A Meta-Analysis. <i>Plants</i> , 2022, 11, 1690.	3.5	22
28	Gaseous losses of nitrogen by ammonia volatilization and nitrous oxide emissions from rice paddies with different irrigation management. <i>Irrigation Science</i> , 2013, 31, 983-994.	2.8	21
29	Proper methods and its calibration for estimating reference evapotranspiration using limited climatic data in Southwestern China. <i>Archives of Agronomy and Soil Science</i> , 2015, 61, 415-426.	2.6	20
30	Rice evapotranspiration at the field and canopy scales under water-saving irrigation. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 227-240.	2.0	19
31	Influence of water management on the mobility and fate of copper in rice field soil. <i>Journal of Soils and Sediments</i> , 2013, 13, 1180-1188.	3.0	18
32	Effect of water management on soil respiration and NEE of paddy fields in Southeast China. <i>Paddy and Water Environment</i> , 2017, 15, 787-796.	1.8	18
33	A general non-rectangular hyperbola equation for photosynthetic light response curve of rice at various leaf ages. <i>Scientific Reports</i> , 2019, 9, 9909.	3.3	18
34	Effect of biochar addition on CO ₂ exchange in paddy fields under water-saving irrigation in Southeast China. <i>Journal of Environmental Management</i> , 2020, 271, 111029.	7.8	17
35	Ammonia Volatilization Losses from Paddy Fields under Controlled Irrigation with Different Drainage Treatments. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	2.1	16
36	Modeling Climate Change Effects on Rice Yield and Soil Carbon under Variable Water and Nutrient Management. <i>Sustainability</i> , 2021, 13, 568.	3.2	16

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37	Antibiotic resistance genes alternation in soils modified with neutral and alkaline salts: interplay of salinity stress and response strategies of microbes. <i>Science of the Total Environment</i> , 2022, 809, 152246.	8.0	16
38	Effect of straw return on soil respiration and NEE of paddy fields under water-saving irrigation. <i>PLoS ONE</i> , 2018, 13, e0204597.	2.5	15
39	Evaporative fraction and its application in estimating daily evapotranspiration of water-saving irrigated rice field. <i>Journal of Hydrology</i> , 2020, 584, 124317.	5.4	15
40	Binding forms and availability of Cd and Cr in paddy soil under non-flooding controlled irrigation. <i>Paddy and Water Environment</i> , 2014, 12, 213-222.	1.8	14
41	Reduction of Non-Point Source Pollution from Paddy Fields through Controlled Drainage in an Aquatic Vegetable Wetland-Ecological Ditch System. <i>Irrigation and Drainage</i> , 2016, 65, 734-740.	1.7	14
42	Inter-seasonal and cross-treatment variability in single-crop coefficients for rice evapotranspiration estimation and their validation under drying-wetting cycle conditions. <i>Agricultural Water Management</i> , 2018, 196, 154-161.	5.6	14
43	Organic fertilizer application increases the soil respiration and net ecosystem carbon dioxide absorption of paddy fields under water-saving irrigation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 9958-9968.	5.3	13
44	Effects of biochar addition on the NEE and soil organic carbon content of paddy fields under water-saving irrigation. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8303-8311.	5.3	13
45	Surface Energy Partitioning and Evaporative Fraction in a Water-Saving Irrigated Rice Field. <i>Atmosphere</i> , 2019, 10, 51.	2.3	12
46	Can ensemble machine learning be used to predict the groundwater level dynamics of farmland under future climate: a 10-year study on Huaibei Plain. <i>Environmental Science and Pollution Research</i> , 2022, 29, 44653-44667.	5.3	12
47	Solubility and Leaching Risks of Organic Carbon in Paddy Soils as Affected by Irrigation Managements. <i>Scientific World Journal</i> , The, 2013, 2013, 1-9.	2.1	11
48	Impacts of Legal and Institutional Changes on Irrigation Management Performance: A Case of the Gezira Irrigation Scheme, Sudan. <i>Water (Switzerland)</i> , 2018, 10, 1579.	2.7	11
49	Vapor Condensation in Rice Fields and Its Contribution to Crop Evapotranspiration in the Subtropical Monsoon Climate of China. <i>Journal of Hydrometeorology</i> , 2018, 19, 1043-1057.	1.9	11
50	Controlled irrigation and drainage of a rice paddy field reduced global warming potential of its gas emissions. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 151-161.	2.6	10
51	Validation of dual-crop coefficient method for calculation of rice evapotranspiration under drying-wetting cycle condition. <i>Paddy and Water Environment</i> , 2017, 15, 381-393.	1.8	10
52	Lasting effects of controlled irrigation during rice-growing season on nitrous oxide emissions from winter wheat croplands in Southeast China. <i>Paddy and Water Environment</i> , 2013, 11, 583-591.	1.8	8
53	Prediction of daily reference evapotranspiration by a multiple regression method based on weather forecast data. <i>Archives of Agronomy and Soil Science</i> , 2013, 59, 1487-1501.	2.6	6
54	Soil degassing during watering: An overlooked soil N ₂ O emission process. <i>Environmental Pollution</i> , 2018, 242, 257-263.	7.5	5

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55	Coupled model of stomatal conductanceâ€“photosynthesisâ€“transpiration for paddy rice under water-saving irrigation. Archives of Agronomy and Soil Science, 2014, 60, 163-181.	2.6	4
56	Water requirement pattern for tobacco and its response to water deficit in Guizhou Province. Water Science and Engineering, 2015, 8, 96-101.	3.2	4
57	Storing and removing nitrogen in drainage from paddy field by using aquatic crops wetland. Paddy and Water Environment, 2020, 18, 587-594.	1.8	4
58	Optimal Operation Model of Drainage Works for Minimizing Waterlogging Loss in Paddy Fields. Water (Switzerland), 2021, 13, 2811.	2.7	4
59	Influence of Watering Methods on the Short-Term Pulse Emissions of Nitrous Oxide from Disturbed Horticultural Soil. Communications in Soil Science and Plant Analysis, 2015, 46, 2688-2706.	1.4	1
60	Variation in rice water requirement and its influencing factors in Poyang Lake basin during the past 30â€“years *. Irrigation and Drainage, 0, , .	1.7	1
61	Temporal Upscaling of Rice Evapotranspiration Based on Canopy Resistance in a Water-Saving Irrigated Rice Field. Journal of Hydrometeorology, 2020, 21, 1639-1654.	1.9	1
62	Impact of Biochar Application on Ammonia Volatilization from Paddy Fields under Controlled Irrigation. Sustainability, 2022, 14, 1337.	3.2	1